



Legend

Key Observation Point	Major Roads
Alternative 3 Carefree Highway	Canal
Existing 500kV Transmission Line	Central Arizona Project Canal
Existing 230kV Transmission Line	Surface Land Management
Approved High-Voltage Transmission Line	Bureau of Land Management
	Bureau of Reclamation
	State
	Private

Photograph Information

Time of photograph:	1:42 PM
Date of photograph:	5-26-08
Weather condition:	Partly Cloudy
Viewing direction:	North
Latitude:	33°46'20.45"N
Longitude:	112°20'25.07"W
Camera:	Canon Rebel EOS XT
Lens:	50mm
Lighting condition:	Sidelit
Nearest tower in view:	NA

Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Figure 4.14-28a
Existing Conditions
from Key Observation Point 15
Vistancia property south of CAP looking north
Sun Valley to Morgan 500/230kV
Transmission Line EIS Project



Legend

Key Observation Point	Major Roads
Alternative 3 Carefree Highway	Canal
Existing 500kV Transmission Line	Central Arizona Project Canal
Existing 230kV Transmission Line	Surface Land Management
Approved High-Voltage Transmission Line	Bureau of Land Management
	Bureau of Reclamation
	State
	Private

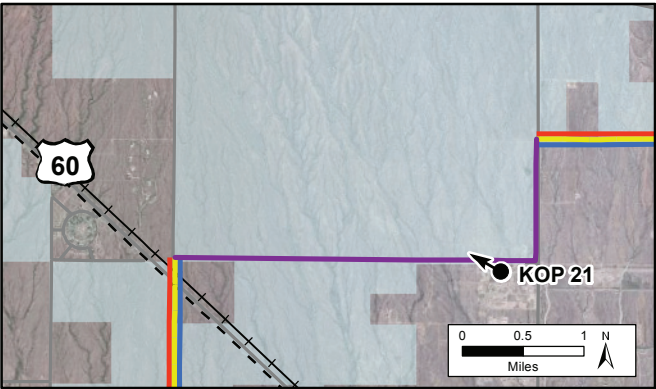
Photograph Information

Time of photograph:	1:42 PM
Date of photograph:	5-26-08
Weather condition:	Partly Cloudy
Viewing direction:	North
Latitude:	33°46'20.45"N
Longitude:	112°20'25.07"W
Camera:	Canon Rebel EOS XT
Lens:	50mm
Lighting condition:	Sidelit
Nearest tower in view:	4.15

Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Figure 4.14-28b
Simulation of Alternative 3
from Key Observation Point 15
Vistancia property south of CAP looking north
Sun Valley to Morgan 500/230kV
Transmission Line EIS Project



Legend

Key Observation Point

Sun Valley to Morgan Proposed Action Right-of-Way

Alternative 2 South of SR 74

Alternative 3 Carefree Highway

Sub-alternative: State Trust Lands Route Variation

Major Roads

Railroad

Surface Land Management

State

Private

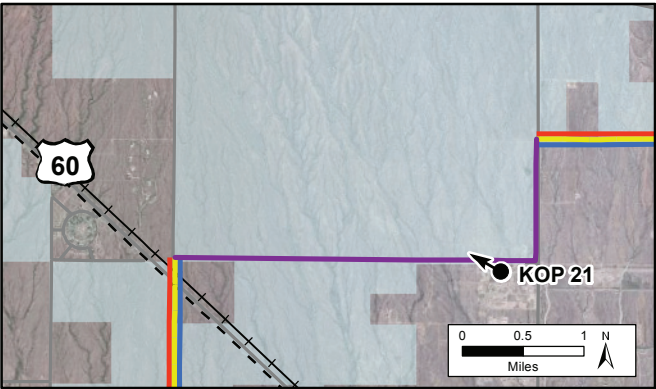
Photograph Information

Time of photograph:	10:30 AM
Date of photograph:	4-6-12
Weather condition:	Clear
Viewing direction:	Northwest
Latitude:	33°48'36.35"N
Longitude:	112°31'16.94"W
Camera:	Nikon D700
Lens:	50mm
Lighting condition:	Frontlit
Nearest tower in view:	NA

Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Figure 4.14-29a
Existing Conditions
from Key Observation Point 21
Caravaccio Lane & 213th Drive
looking northeast
Sun Valley to Morgan 500/230kV
Transmission Line EIS Project



Legend

Key Observation Point

Sun Valley to Morgan Proposed Action Right-of-Way

Alternative 2 South of SR 74

Alternative 3 Carefree Highway

Sub-alternative: State Trust Lands Route Variation

Major Roads

Railroad

Surface Land Management

State

Private

Photograph Information

Time of photograph: 10:30 AM

Date of photograph: 4-6-12

Weather condition: Clear

Viewing direction: Northwest

Latitude: 33°48'36.35"N

Longitude: 112°31'16.94"W

Camera: Nikon D700

Lens: 50mm

Lighting condition: Frontlit

Nearest tower in view: 0.10 Mile

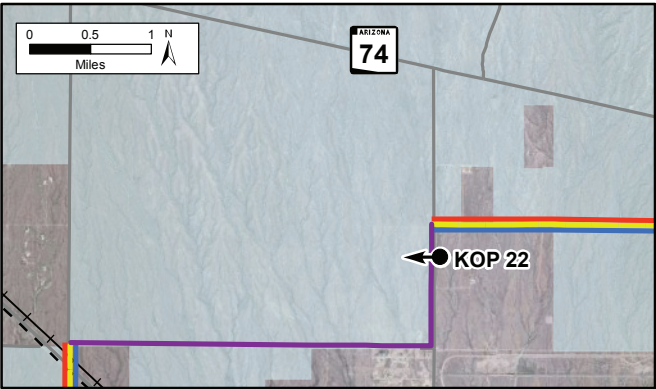
Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Figure 4.14-29b
Simulation of Sub-Alternative
from Key Observation Point 21
Caravaccio Lane & 213th Drive
looking northeast
Sun Valley to Morgan 500/230kV
Transmission Line EIS Project



Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Legend

Key Observation Point

Sun Valley to Morgan
Proposed Action
Right-of-Way

Alternative 2
South of SR 74

Alternative 3
Carefree Highway

Sub-alternative:
State Trust Lands
Route Variation

Major Roads

Railroad

Surface Land Management

State

Private

Photograph Information

Time of photograph: 11:41 AM

Date of photograph: 4-6-12

Weather condition: Clear

Viewing direction: West

Latitude: 33°49'19.54"N

Longitude: 112°30'54.81"W

Camera: Nikon D700

Lens: 50mm

Lighting condition: Sidelit

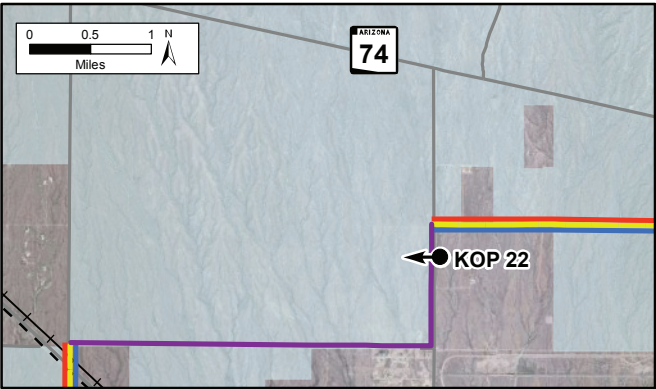
Nearest tower in view: NA

Figure 4.14-30a
Existing Conditions
from Key Observation Point 22
East of 211th Avenue (Carlise Road)
looking west

Sun Valley to Morgan 500/230kV
Transmission Line EIS Project



Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Legend

- Key Observation Point
- Sun Valley to Morgan Proposed Action Right-of-Way
- Alternative 2 South of SR 74
- Alternative 3 Carefree Highway
- Sub-alternative: State Trust Lands Route Variation
- Major Roads
- Railroad
- Surface Land Management**
 - State
 - Private

Photograph Information

Time of photograph: 11:41 AM

Date of photograph: 4-6-12

Weather condition: Clear

Viewing direction: West

Latitude: 33°49'19.54"N

Longitude: 112°30'54.81"W

Camera: Nikon D700

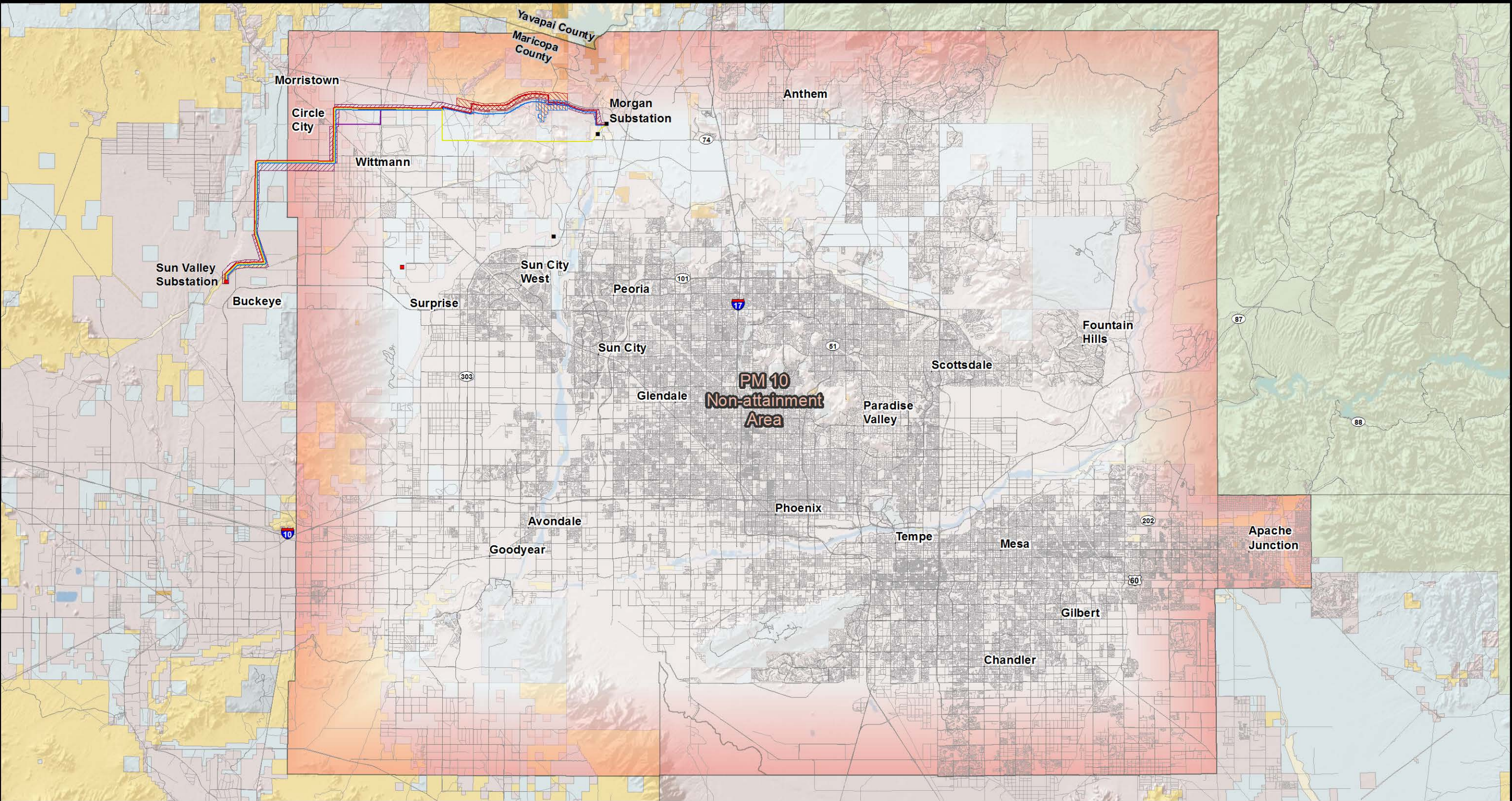
Lens: 50mm

Lighting condition: Sidelit

Nearest tower in view: 0.07 Mile

Figure 4.14-30b
Simulation of Sub-Alternative
from Key Observation Point 22
East of 211th Avenue (Carlise Road)
looking west

Sun Valley to Morgan 500/230kV
Transmission Line EIS Project



Legend

- Sun Valley to Morgan Proposed Action Right-of-Way
 - Alternative 1 Proposed Action with Additional Corridor
 - Alternative 2 South of SR 74
 - Alternative 2 Corridor South of SR74
 - Alternative 3 Carefree Highway
 - Sub-alternative: State Trust Land Route Variation
 - ACC Certificated Route
 - Existing High-Voltage Substation
 - Approved High-Voltage Substation
 - PM 10 Non-attainment Area
- Surface Land Management**
- USFS
 - BLM
 - USBR
 - County
 - Local or State Parks
 - State Trust Lands
 - Private

Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com
Arizona State Land Department: 2007-2010

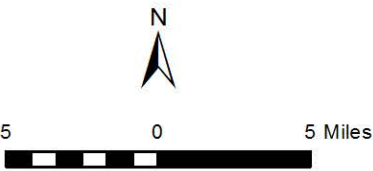
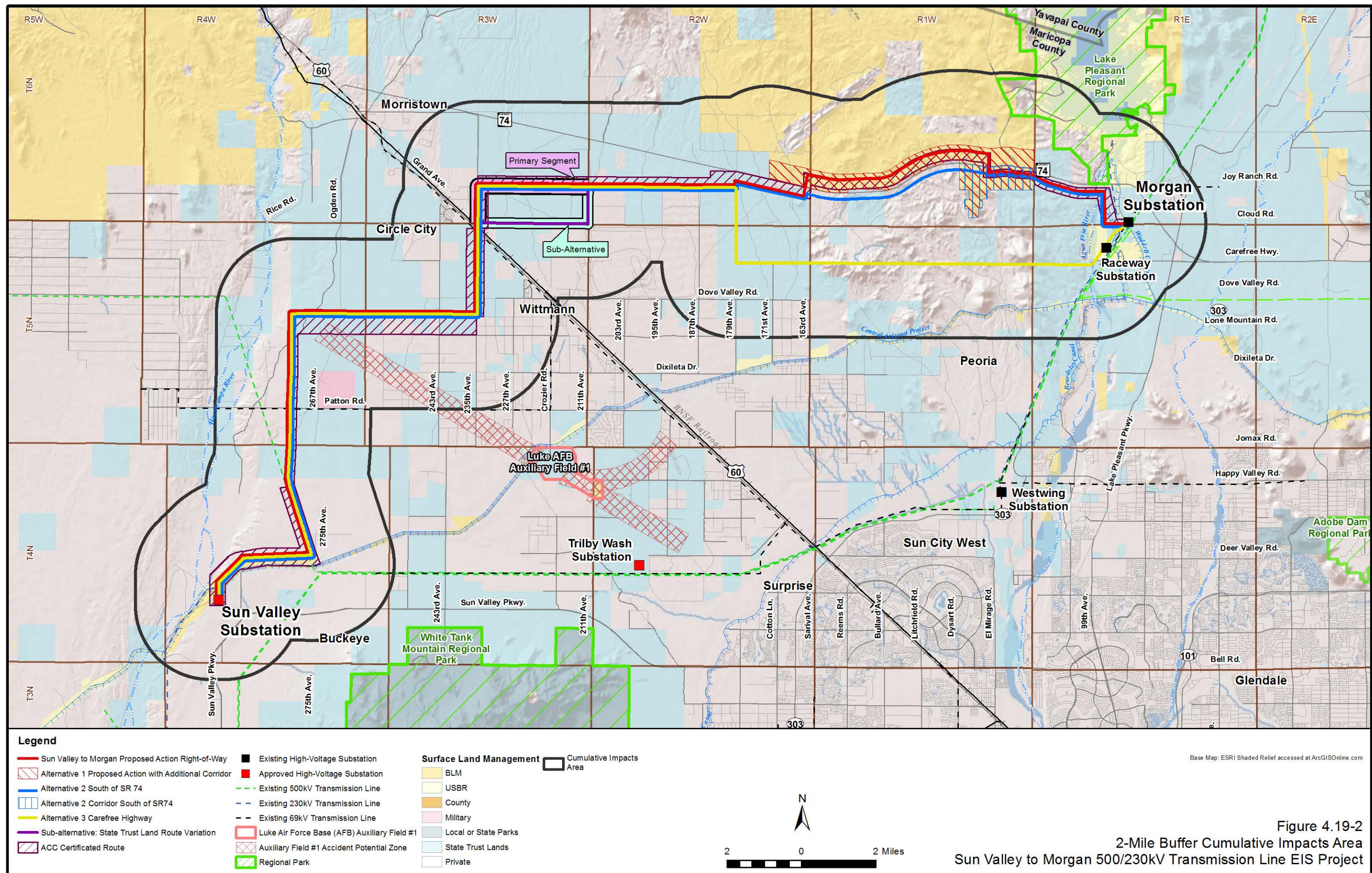
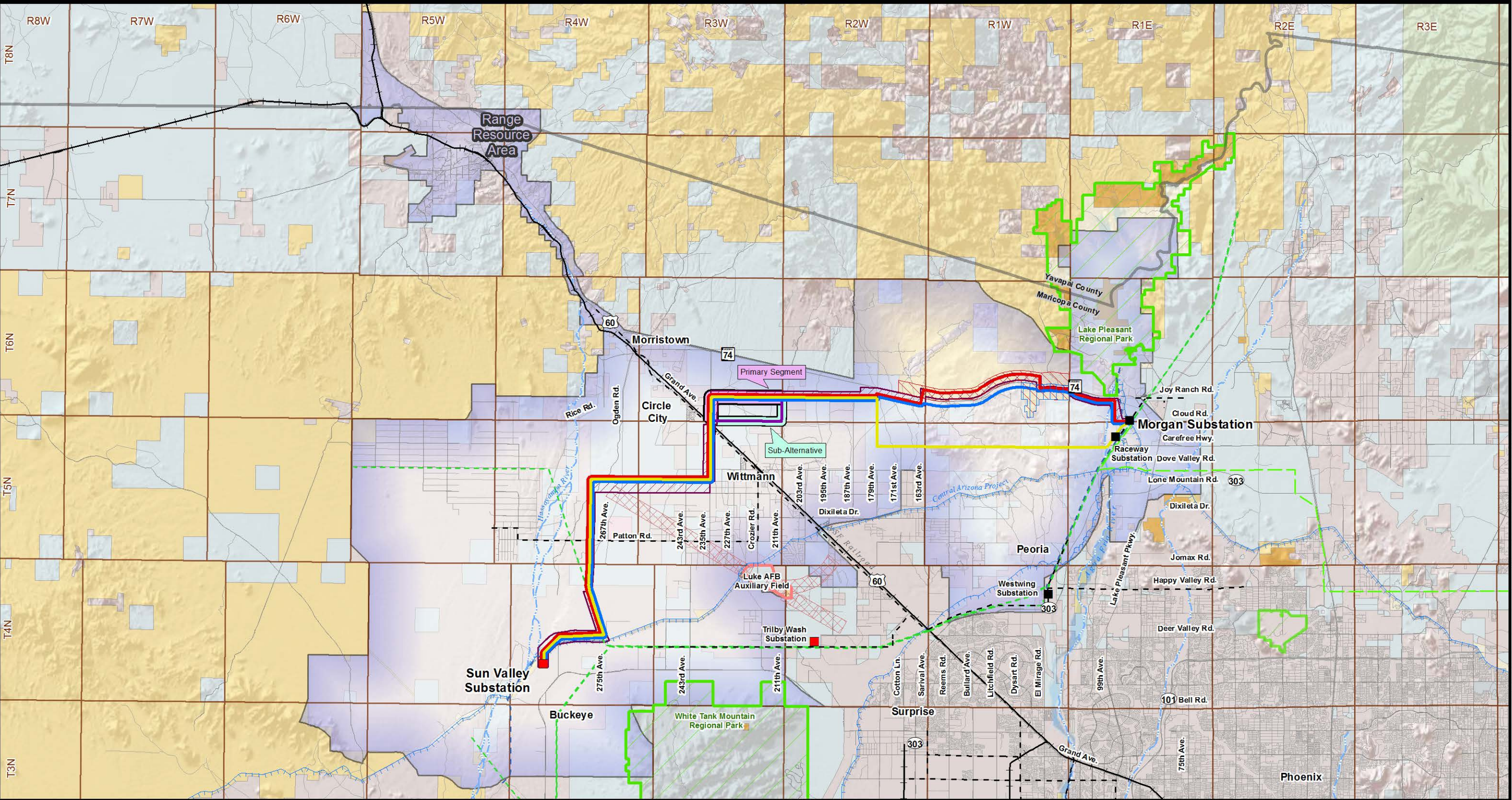


Figure 4.19-1
Air Quality Cumulative Impacts Area
Sun Valley to Morgan 500/230kV Transmission Line EIS Project

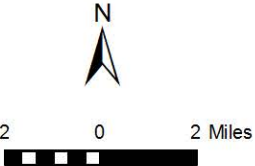




Legend

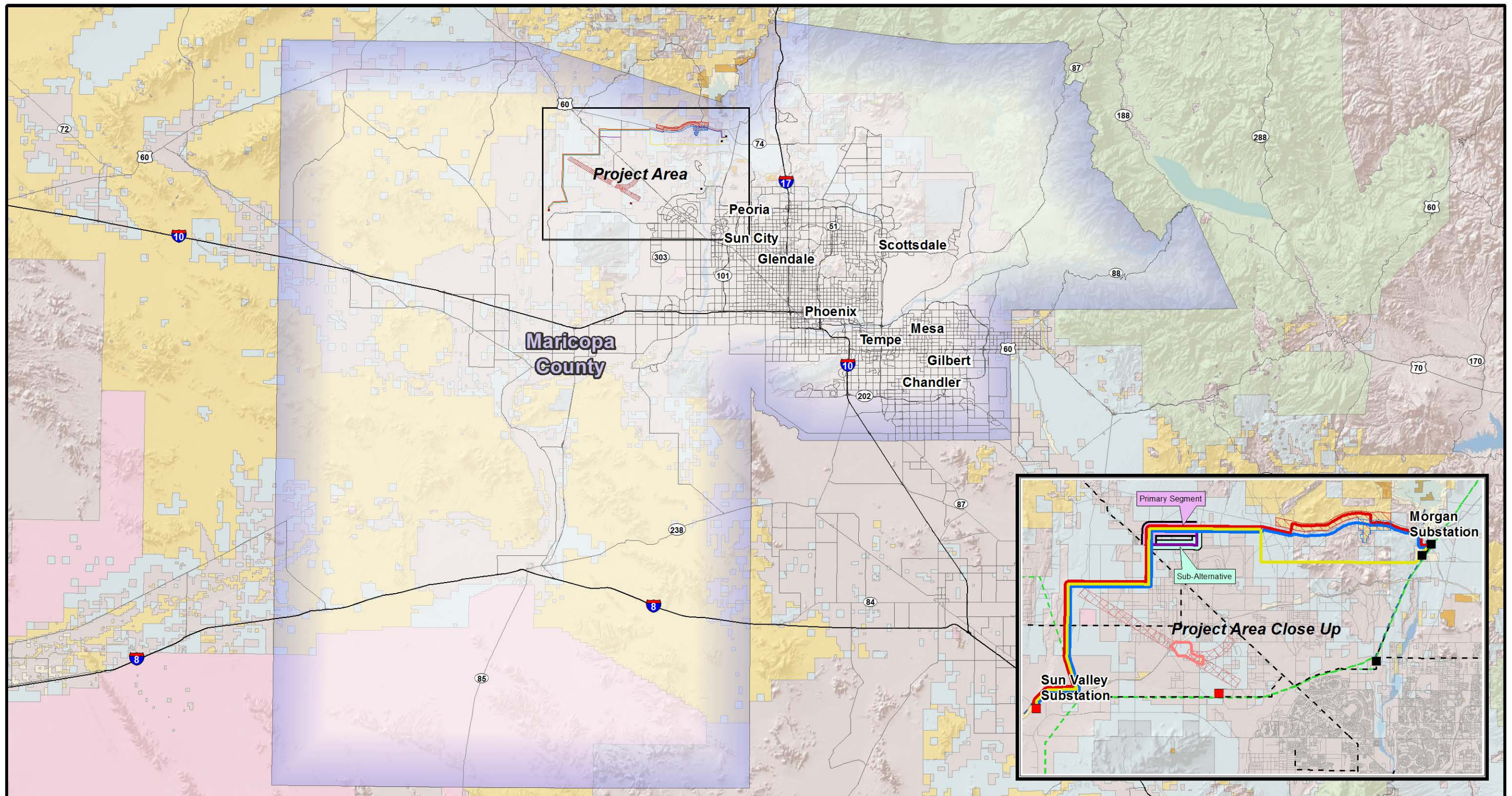
- | | |
|--|--|
| Sun Valley to Morgan Proposed Action Right-of-Way | Existing High-Voltage Substation |
| Alternative 1 Proposed Action with Additional Corridor | Approved High-Voltage Substation |
| Alternative 2 South of SR 74 | Existing 500kV Transmission Line |
| Alternative 2 Corridor South of SR74 | Existing 230kV Transmission Line |
| Alternative 3 Carefree Highway | Existing 69kV Transmission Line |
| Sub-alternative: State Trust Land Route Variation | Auxiliary Field #1 Accident Potential Zone |
| ACC Certificated Route | Luke Air Force Base (AFB) Auxiliary Field #1 |
| | Regional Park |

- | | | |
|--------------------------------|----------------------|---------------------|
| Surface Land Management | Military | Range Resource Area |
| USFS | Local or State Parks | |
| BLM | State Trust Lands | |
| USBR | Private | |
| County | | |



Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com
Arizona State Land Department: 2007-2010

Figure 4.19-3
Range Resources Cumulative Impacts Area
Sun Valley to Morgan 500/230kV Transmission Line EIS Project



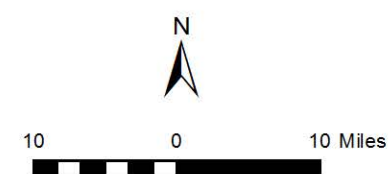
Legend

- Sun Valley to Morgan Proposed Action Right-of-Way
- ▨ Alternative 1 Proposed Action with Additional Corridor
- Alternative 2 South of SR 74
- ▨ Alternative 2 Corridor South of SR74
- Alternative 3 Carefree Highway
- Sub-alternative: State Trust Land Route Variation
- ▨ ACC Certificated Route
- Existing High-Voltage Substation
- Approved High-Voltage Substation
- Existing 500kV Transmission Line
- Existing 230kV Transmission Line
- Existing 69kV Transmission Line
- ▨ Luke Air Force Base (AFB) Auxiliary Field #1
- ▨ Auxiliary Field #1 Accident Potential Zone

Surface Land Management

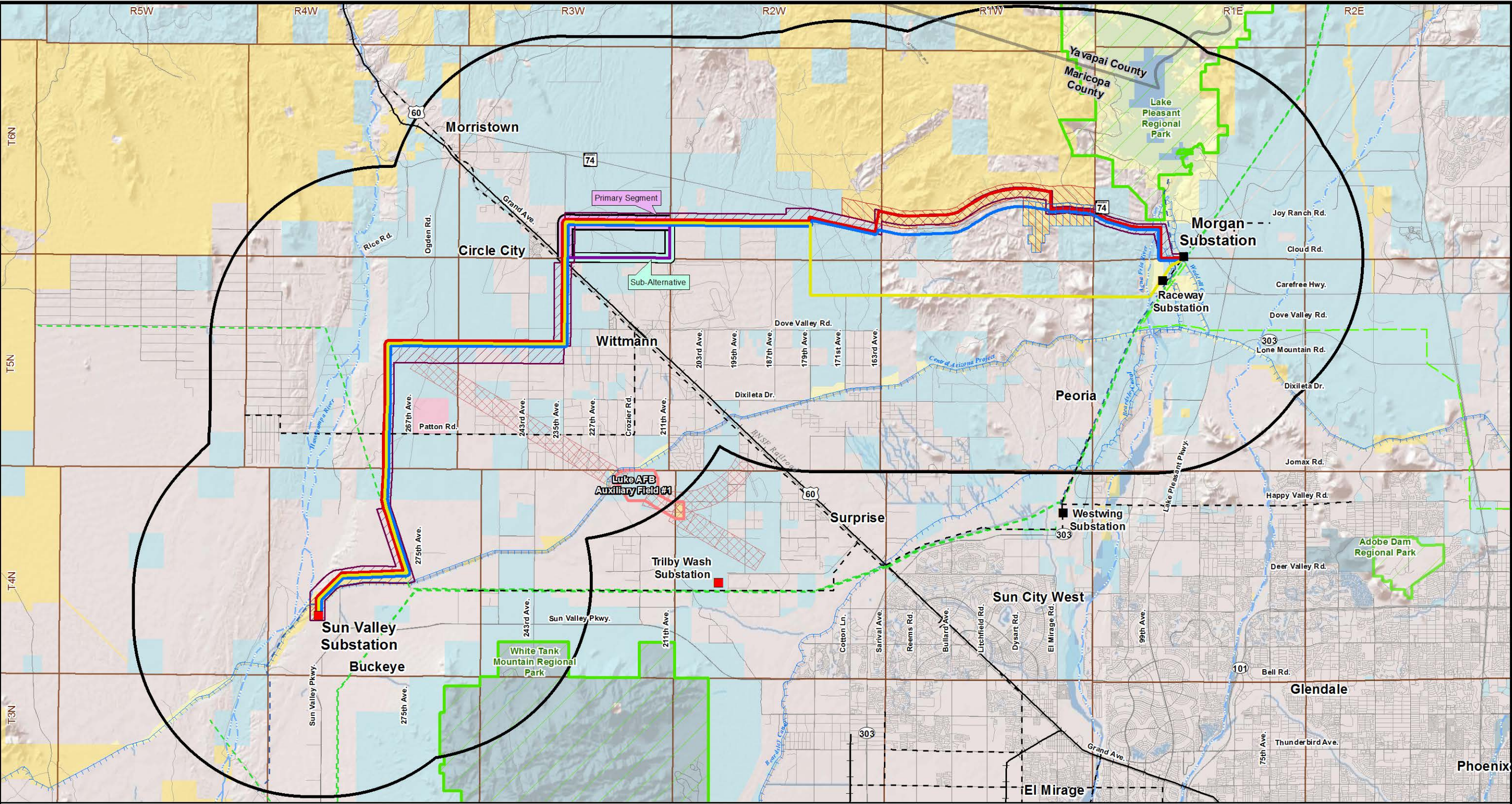
- USFS
- BLM
- USBR
- County
- Military
- Local or State Parks
- State Trust Lands
- Private

MaricopaCounty



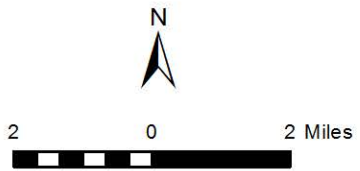
Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com
Arizona State Land Department: 2007-2010

Figure 4.19-4
Socioeconomics and Environmental Justice Cumulative Impacts Area
Sun Valley to Morgan 500/230kV Transmission Line EIS Project



Legend

- | | | | |
|--|--|--------------------------------|-------------------------|
| Sun Valley to Morgan Proposed Action Right-of-Way | Existing High-Voltage Substation | Surface Land Management | Cumulative Impacts Area |
| Alternative 1 Proposed Action with Additional Corridor | Approved High-Voltage Substation | | BLM |
| Alternative 2 South of SR 74 | Existing 500kV Transmission Line | | USBR |
| Alternative 2 Corridor South of SR74 | Existing 230kV Transmission Line | | County |
| Alternative 3 Carefree Highway | Existing 69kV Transmission Line | | Military |
| Sub-alternative: State Trust Land Route Variation | Luke Air Force Base (AFB) Auxiliary Field #1 | | Local or State Parks |
| ACC Certificated Route | Auxiliary Field #1 Accident Potential Zone | | State Trust Lands |
| | Regional Park | Private | |



Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com
Arizona State Land Department: 2007-2010

Figure 4.19-5
Visual Resources Cumulative Impacts Area
Sun Valley to Morgan 500/230kV Transmission Line EIS Project